

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

#4

Applicant: Joseph Leagrahn Mundy et al.

Group Art Unit:

Serial No.: 09/683,111

Examiner:

Filed: November 20, 2001

Date: 11/20/2001

For METHOD AND SYSTEM FOR LUNG DISEASE
DETECTION

INFORMATION DISCLOSURE STATEMENT

- ☒ 1 **Pursuant to 37CFR 1.97(b)**
[within 3 months of national, non-CPA filing or prior to 1st Office Action] *no charge*
- ☐ 2 **Certification Pursuant to 37 CFR 1.97(c)(1)**
[before Final Office Action, Allowance, or other action closing prosecution] *no charge*
- ☐ 3 **Fee Payment Pursuant to 37 CFR 1.97(c)(2)**
[before Final Office Action, Allowance, or other action closing prosecution] *\$180.00*
- ☐ 4 **Certification & Fee Payment Pursuant to 37 CFR 1.97(d)**
[On or before issue fee payment] *\$180.00*

ATTN: BOX PATENT APPLICATION
Assistant Commissioner for Patents
Washington, D.C. 20231

Sir:

The following are submitted in the above application in compliance with 37 CFR 1.97 and 37 CFR 1.98:

- ☒ 5 A list of documents on form PTO-1449 or Substitute together with copies of each identified document and a translation thereof or a concise explanation of each non-English language document or a Search Report from an International Searching Authority for a patent application filed via the Patent Cooperation Treaty or document(s) cited in the application or the priority application.

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Assistant Commissioner for Patents, Washington, D.C. 20231, on the date indicated below.

Date of Deposit_____
Type or Print Name_____
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This paper is submitted in accordance with:

- ☒ 6 37 CFR 1.97(b): [within 3 months of national, non-CPA filing or prior to 1st Office Action]
- ☐ 7 37 CFR 1.97(c): [before Final Office Action, Allowance, or other action closing prosecution, whichever is earlier]; and
- ☐ 8 The required Certification made in item 11 below; or
- ☐ 9 The \$180.00 fee specified in 37 CFR 1.17(p) for submission of this Information Disclosure Statement is authorized in item 15 below.
- ☐ 10 37 CFR 1.97(d): [on or before issue fee payment]; and
- a) The required Certification is stated in item 11 below; and
- b) The \$180.00 fee specified in 37 CFR 1.17(p) for submission of this Information Disclosure Statement is authorized in item 14 below.
- ☒ 11 Certification
- ☐ 12 Each item of information contained in this Statement was first cited in any communication from a foreign patent office in a counterpart foreign patent application not more than three months prior to the filing of this Statement; or
- ☒ 13 No item contained in this Statement was cited in a communication from a foreign patent office in a counterpart foreign application and, to the knowledge of the person signing this document after making reasonable inquiry, no item of information contained in this Statement was known to any individual designated in 37 CFR 1.56(c) more than three (3) months prior to the filing date of this Statement.
- ☒ 14 Payment of all applicable fees:
- ☒ 15 Please charge all applicable fees associated with the submittal of this Information Disclosure Statement to Deposit Account No. 07-0868

An original and two (2) copies of this document are enclosed.

Respectfully submitted,

11/20/01

Date

General Electric Company
CRD Patent Docket Rm 4A59
P.O. Box 8, Bldg. K-1 - Salamone
Schenectady, New York 12301
Customer Number: 006147

Jean K. Testa

Attorney - Jean K. Testa
Registration No. 39,396
Phone: (518) 387-5115
or (518) 387-7122

FORM PTO-1449
(REV. 7-80)
(Title Amended 3/83)

U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE

ATTY. DOCKET NO.

RD-29,178

SERIAL NO.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT--
LIST OF ITEMS

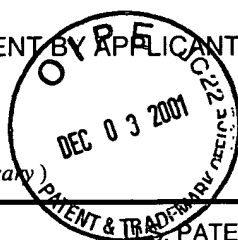
(Use several sheets if necessary)

Applicant

Joseph L. Mundy et al.

Filing Date

Group



U.S. PATENT DOCUMENTS

*EXAMINER INITIAL	DOCUMENT NUMBER								DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	AA	4	9	0	7	1	5	6	03/06/90	Doi et al.	364	413.13	06/30/87
	AB	5	2	3	5	5	1	0	08/10/93	Yamada et al.	364	413.02	11/22/91
	AC	5	3	3	1	5	5	0	07/19/94	Stafford et al.	364	413.02	02/11/93
	AD	5	3	5	9	5	1	3	11/25/94	Kano et al.	364	413.23	11/25/92
	AE	5	7	7	9	6	3	4	07/14/98	Ema et al.	600	407	09/30/94
	AF	5	8	3	2	1	0	3	11/03/98	Giger et al.	382	130	08/16/95
	AG	5	8	8	1	1	2	4	03/09/99	Giger et al.	378	8	03/31/94
	AH	5	9	4	3	4	3	5	08/24/99	Gaborski	382	132	10/07/97
	AI	6	1	2	5	1	9	4	09/26/00	Yeh et al.	382	132	02/04/98
	AJ	4	7	5	1	6	4	3	06/14/88	Lorensen et al.	364	414	08/04/86
	AK	4	7	1	0	8	7	6	12/01/87	Cline et al.	364	414	06/05/85

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER							DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
													YES	No
	AL													
	AM													
	AN													
	AO													
	AP													

OTHER INFORMATION (Including Author, Title, Date, Pertinent pages. Etc.)

	AR	Lee, Youngbum, Takeshi Hara, Hisroshi Fujita, Shigeki Itoh and Takeo Ishigaki, "Automated Detection Of Pulmonary Nodules In Helical CT Images Based On An Improved Template-Matching Technique", IEEE Transactions on Medical Imaging, Vol 20, NO. 7, July 2001, pp. 595-604.
	AS	John Canny, "A Computational Approach To Edge Detection", IEEE Transactions On Pattern Analysis and Machine Intelligence, Vol. PAMI-8, No. 6, November 1986, pp. 679-697.
	AT	

EXAMINER

DATE CONSIDERED

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.